

cations with a remote source, and for executing monetary charges according to the usage of the software comprising:

signal processing means for performing unique signal processing based on the input route of the software data; and

error processing means for conducting error processing based on the input route;

input switchover means for selecting an input route, said input switchover means comprising:

first switchover means for outputting encrypted and non-encrypted software data to said signal processing means and;

second switchover means for receiving the output from said signal processing means and directing the output of said signal processing means to said error processing means;

software management means for decoding encrypted software data and for managing monetary charges according to the usage of the software data;

data conversion means for converting decoded data outputted from said software management means to output data offered to the user; and

output route switchover means for receiving encrypted data from said input switchover means and outputting the encrypted data to said software management means, and for receiving non-encrypted software data from said input switchover means and outputting the non-encrypted software data to said data conversion section.

2. The software reproduction apparatus of claim 1 further comprising:

drive apparatus for installing a writable medium;

writing means for writing on to said medium encrypted software data obtained from the said input route prior to its output to said software management means; and

a means for reading encrypted software data written on said medium.

3. The software reproduction apparatus of claim 1 wherein said error processing means is equipped with an error check code generation section for generating new error check codes corresponding to the said writable medium.

4. A software reproduction apparatus for reproducing encrypted or non-encrypted software data received via an input route including a writable medium, a non-writable medium and by communications with a remote source, and for executing monetary charges according to the usage of the software, the software reproduction apparatus comprising:

input switchover means for selecting an input route;

software management means for decoding encrypted software data using key data from an external source and for managing monetary charges according to the usage of the software data;

data conversion means for converting decoded data outputted from said software management means to output data offered to the user; and

output route switchover means for receiving encrypted data from said input switchover means and outputting the encrypted data to said software management means, for receiving the non-encrypted software data from said input switchover means and outputting the non-encrypted software data to said data conversion means, and for outputting the encrypted software data to a writable medium.

5. The software reproduction apparatus of claim 4 further comprising:

error management means equipped with an error check code generation section for generating new error check codes corresponding to the writable medium.

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6. A software reproduction apparatus for reproducing encrypted or non-encrypted software data received via an input route including a storage medium and by communications with a remote source, and for executing monetary charges according to the usage of the software comprising:

input switchover means for selecting an input route according to the type of medium or communications;

software management means for decoding encrypted software data and for managing monetary charges according to the usage of the software data;

data conversion means for converting decoded data outputted from said software management means to output data for the user;

output route switchover means for receiving encrypted data from said input switchover means and outputting the encrypted data to said software management means, and for receiving non-encrypted software data from said input switchover means and outputting the non-encrypted software data for said data conversion section;

drive apparatus for installing a writable medium;

writing means for writing, on said medium, encrypted software data obtained from the said input route prior to the output of the encrypted software data to said software management means; and

a means for reading encrypted software data written on said medium.

7. A software reproduction apparatus for reproducing encrypted or non-encrypted software data received via an input route including a storage medium and by communications with a remote source, and for executing monetary charges according to the usage of the software comprising:

signal processing means for performing unique signal processing based on the input route of the software data; and

error processing means for conducting error processing based on the input route;

input switchover means for selecting an input route, said input switchover means comprising:

first switchover means for outputting encrypted and non-encrypted software data to said signal processing means and;

second switchover means for receiving the output from said signal processing means and directing the output of said signal processing means to said error processing means;

software management means for decoding encrypted software data and for managing monetary charges according to the usage of the software data;

data conversion means for converting decoded data outputted from said software management means to output data offered to the user;

output route switchover means for receiving encrypted data from said input switchover means and outputting the encrypted data to said software management means, and for receiving non-encrypted software data from said input switchover means and outputting the non-encrypted software data to said data conversion section;

drive apparatus for installing a writable medium;

writing means for writing on said writable medium encrypted software data obtained from the said input route prior to its output to said software management means; and

a means for reading encrypted software data written on said medium.

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SUBA 1 8. An apparatus comprising:
digital information receiving means for
receiving digital information provided via a
communication medium;
drive means for reading digital information
from, and writing digital information to, a
removable storage medium;
information converting means for
converting digital information received by said
digital information receiving means and digital
information read by said drive means into at least
one of the group consisting of visible and audible
data; and
switch means for controlling a connection
between said digital information receiving means
and said information converting means, between
said digital information receiving means and said
drive means, and between said drive means and
said information converting means.

9. The apparatus according to claim 8,
further comprising:

deciphering means
for deciphering digital information
received by said digital information receiving
means when the digital information is ciphered,
and for providing the deciphered digital
information to said information converting means
for converting, and

for deciphering digital information
read by said drive means when the digital
information is ciphered, and for providing the
deciphered digital information to said information
converting means for converting.

10. The apparatus according to claim 9,
further comprising:

billing managing means
for managing billing based on a
utilization of the digital information received by
said digital information receiving means, and
for managing billing based on a
utilization of the digital information read by said
drive means.

11. The apparatus according to claim 8,
wherein said information converting means
comprises:

extension means

for extending digital information
received by said digital information receiving
means when said digital information is
compressed, and

for extending said digital
information read by said drive means when said
digital information is compressed.

540 A27 12. An apparatus comprising:
a digital information receiver receiving
digital information provided via a communication
medium;

a drive device reading digital information
from, and writing information to, a removable
storage medium;

a converter converting digital information
received by said digital information receiver and
digital information read by said drive device into at
least one of the group consisting of visible and
audible data; and

a switch controlling a connection between
said digital information receiver and said converter,
between said digital information receiver and said
drive device, and between said drive device and said
converter.

13. The apparatus according to claim 12,
further comprising:

a deciphering device

deciphering digital information
received by said digital information receiver when
the digital information is ciphered, and providing
the deciphered digital information to said converter,
and

deciphering digital information read
by said drive device when the digital information is
ciphered, and providing the deciphered digital
information to said converter.

14. The apparatus according to claim 13,
further comprising:

a billing manager
managing billing based on a
utilization of the digital information received by
said digital information receiver, and
managing billing based on a
utilization of the digital information read by said
drive device.

15. The apparatus according to claim 12,
wherein said converter comprises:

an extender
extending digital information
received by said digital information receiver when
said digital information is compressed, and
extending said digital information
read by said drive device when said digital
information is compressed.

SUB 37 16. An apparatus comprising:
a communication path providing digital data;
a storage medium storing digital data;
a converter converting digital data into at
least one of the group consisting of visible and
audible data; and
a switch having
a first switch position which
connects digital data provided by the
communication path to the converter so that the
converter converts the digital data into at least one
of the group consisting of visible and audible data,
a second switch position which
connects digital data read from the storage medium
to the converter so that the converter converts the
digital data read from the storage medium into at
least one of the group consisting of visible and
audible data, and
a third switch position which
connects digital data provided by the
communication path to the storage medium so that
the digital data provided via the communication
path is stored in the storage medium.

17. The apparatus according to claim 16,
further comprising:
a deciphering device which,

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when the switch is in the first switch position and the digital data provided by the communication path is ciphered, deciphers the digital data before the digital data is provided to the converter, so that the converter receives and converts the deciphered digital data, and,

when the switch is in the second position and the digital data read from the storage medium is ciphered, deciphers the digital data read from the storage medium before the digital data is provided to the converter, so that the converter receives and converts the deciphered digital data.

18. The apparatus according to claim 16, further comprising:

a billing manager managing billing based on a utilization of digital data provided by the communication path, and managing billing based on a utilization of digital data read from the storage medium.

19. The apparatus according to claim 16, wherein the converter comprises:

an extender extending digital data provided by the communication path when the digital data is compressed, and extending digital data read from the storage medium when digital data is compressed.

54B A4 20. An apparatus comprising:
a communication path providing digital data;
a storage medium storing digital data;
a converter converting digital data into at least one of the group consisting of visible and audible data;
a decoder decoding encrypted digital data;
and
a switch having
a first switch configuration which,
when non-encrypted digital data is provided by the communication path, connects the digital information provided by the communication path to the converter without passing through the decoder so that the converter converts the digital data into at least one of the group consisting of visible and

audible data.

20 a second switch/configuration which, when encrypted digital data is provided by the communication path, connects the digital information provided by the communication path to the converter and the decoder so that the encrypted digital data is decoded by the decoder and then the decoded digital data is converted by the converter into at least one of the group consisting of visible and audible data.

25 a third switch configuration which, when non-encrypted digital data is read from the storage medium, connects the digital data read from the storage medium to the converter without passing through the decoder so that the converter converts the digital data into at least one of the group consisting of visible and audible data.

30 a fourth switch configuration which, when encrypted digital data is read from the storage medium, connects the digital data read from the storage medium to the converter and the decoder so that the encrypted digital data is decoded by the decoder and then the decoded digital data is converted by the converter into at least one of the group consisting of visible and audible data, and

35 a fifth switch configuration which connects the digital data provided by the communication path to the storage medium so that the digital data provided via the communication path is stored in the storage medium.

21. A switch comprising:

40 a first switch position which connects digital data provided by a communication path to a converter that converts converts the digital data into at least one of the group consisting of visible and audible data;

45 a second switch position which connects digital data read from a storage medium to the converter so that the converter converts the digital data read from the storage medium into at least one of the group consisting of visible and audible data; and

50 a third switch position which connects the digital data provided by the communication path to

15 the storage medium so that the digital data provided
via the communication path is stored in the storage
medium.

22. An apparatus comprising:
a first means which connects digital data
provided by a communication path to a converter
that converts converts the digital data into at least
5 one of the group consisting of visible and audible
data;

10 a second means which connects digital data
read from a storage medium to the converter so that
the converter converts the digital data read from the
storage medium into at least one of the group
consisting of visible and audible data; and

15 a third means which connects the digital data
provided by the communication path to the storage
medium so that the digital data provided via the
communication path is stored in the storage
medium.

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